

4100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#14
WGB

In re application of)	
KENNEDY et al.)	Examiner: Bray
Serial No.: 08/822,947)	Art Unit: 3725
Filed: March 21, 1997)	Batch No:
For: POSITION-BASED INTEGRATED)	IV/P04111US3
MOTION CONTROLLED CURVE)	
SAWING)	

DEC 16 PM 2:11
GROUP 330

L E T T E R

Assistant Commissioner of Patents
Washington, D. C. 20231

S I R:

In response to the Notice of Allowability mailed September 28, 1998, new formal drawings are enclosed herewith.

Respectfully submitted,

Date: December 16, 1998

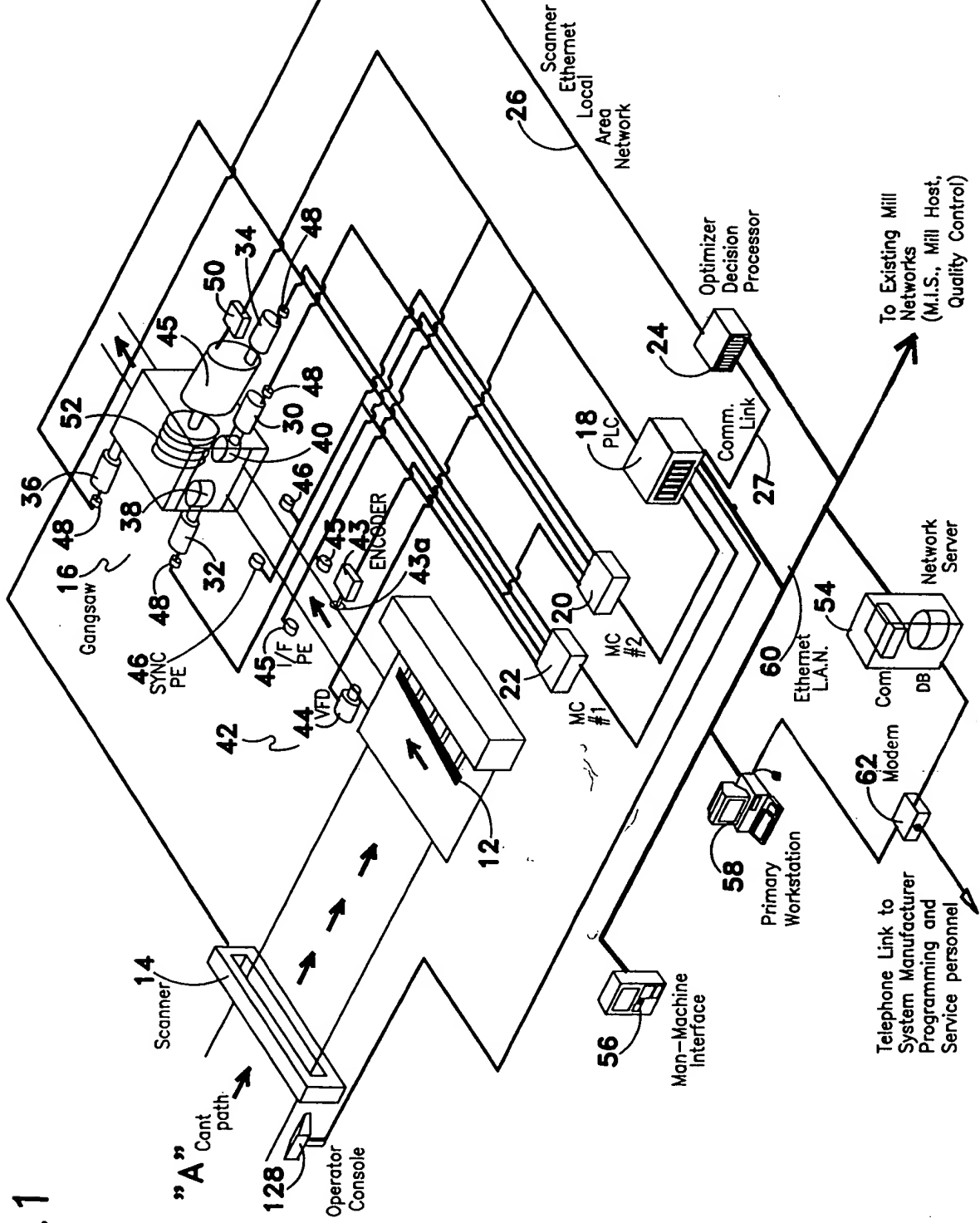
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APPROVED	O.G. FIG.	
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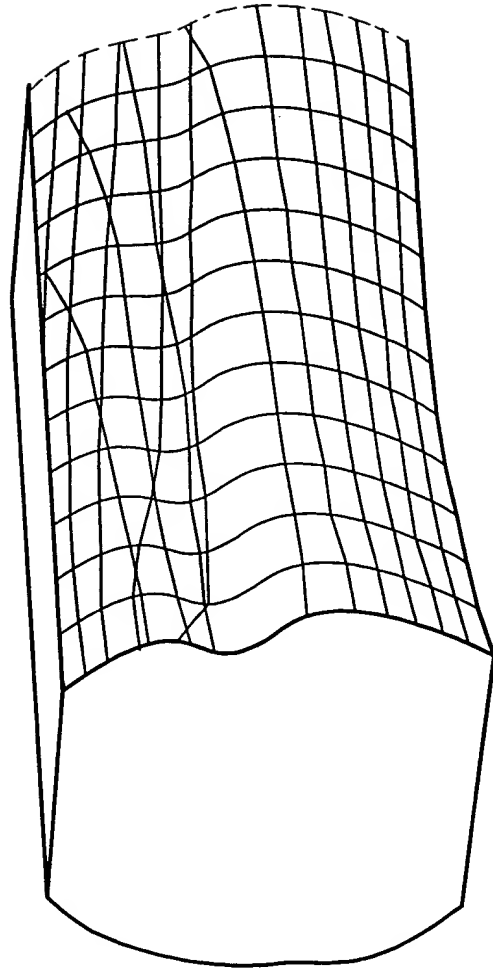
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FIG. 1

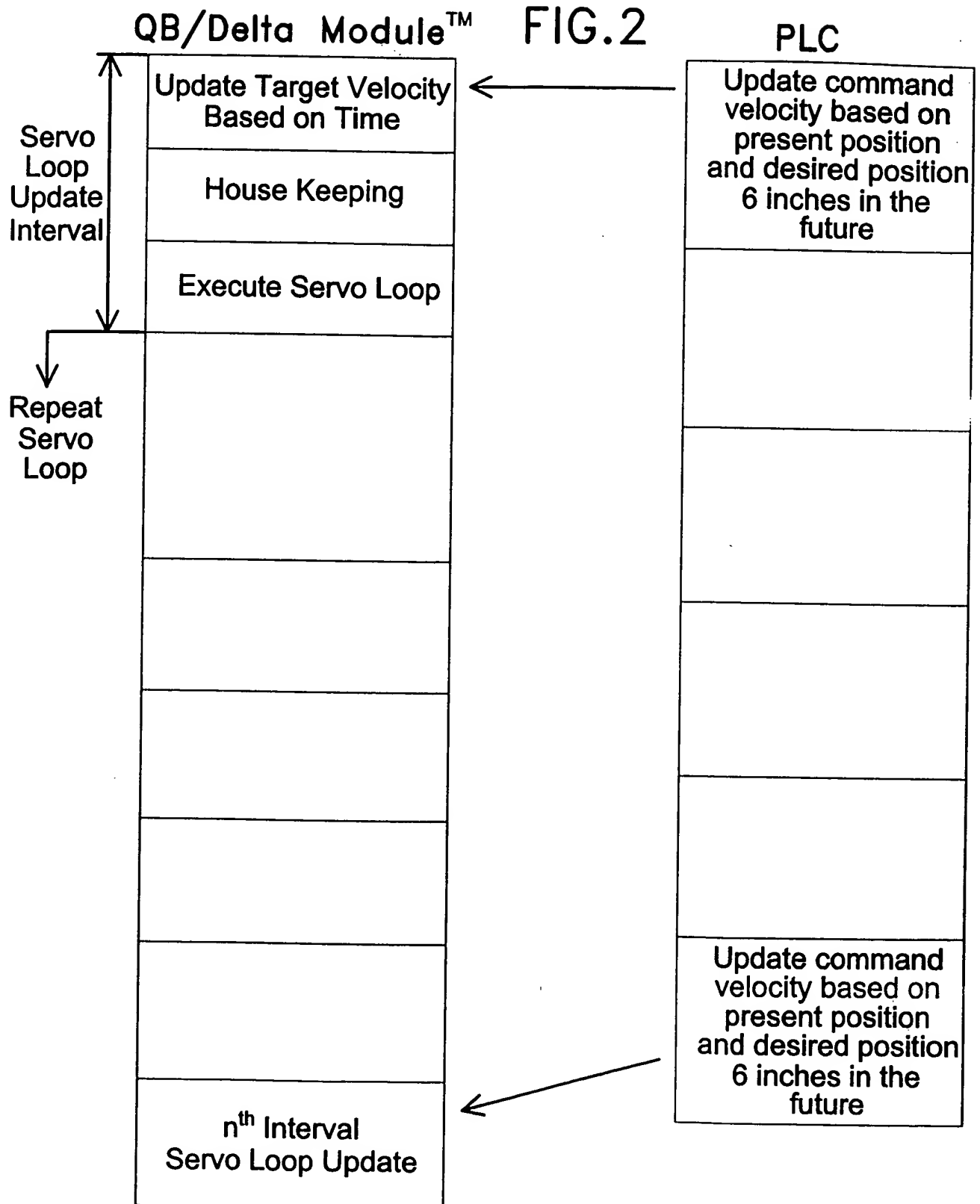


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FIG. 1a

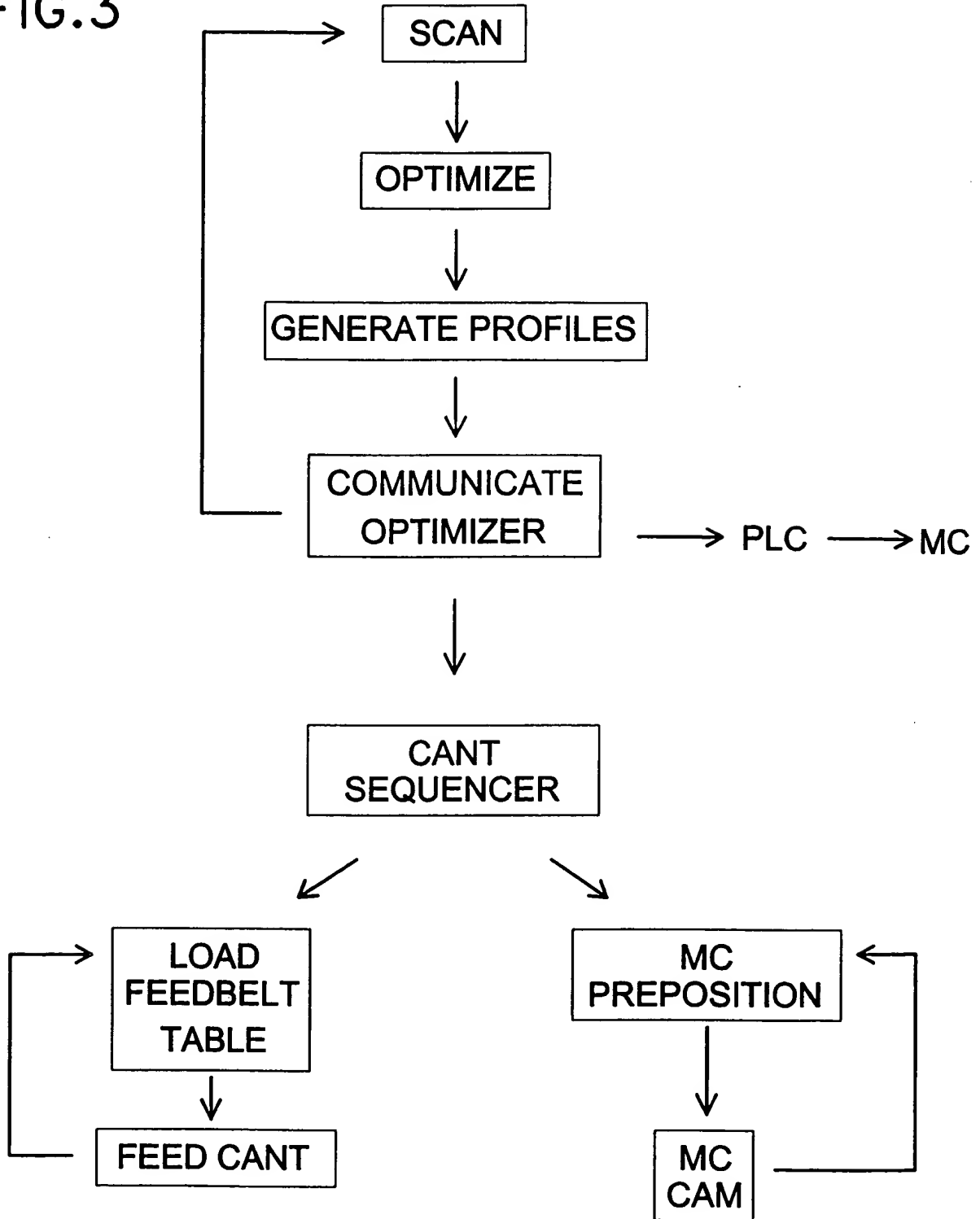


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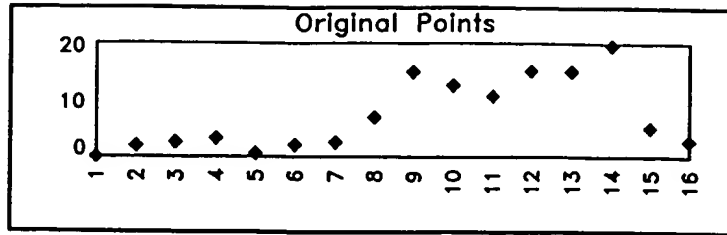
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FIG.3



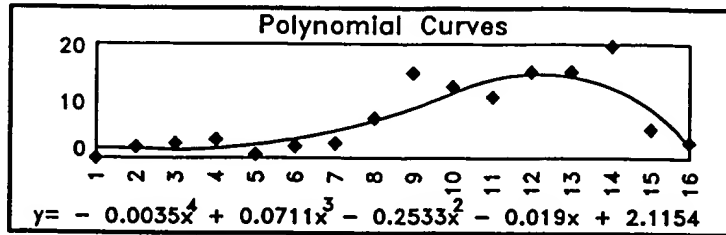
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FIG.4a



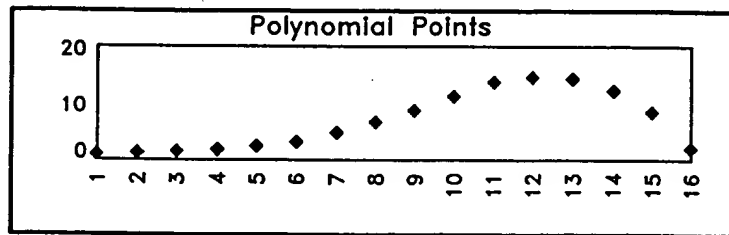
1. Generate Polynomial

FIG.4b



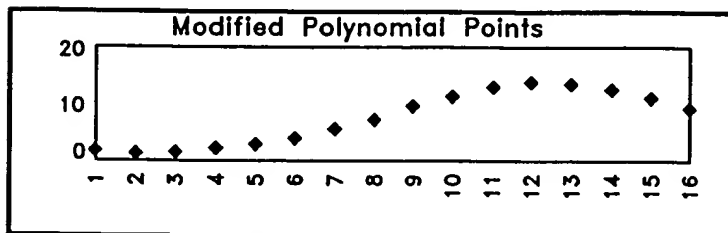
2. Calculate Discrete Points

FIG.4c



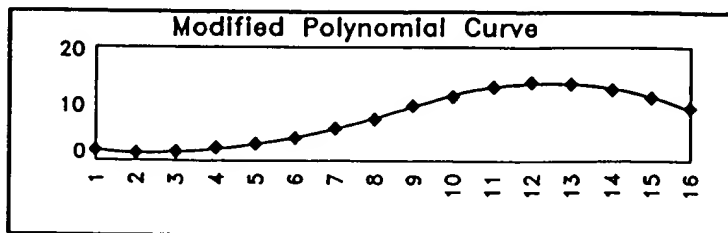
3. Apply Machine Constraints

FIG.4d



4. Re-generate Polynomial

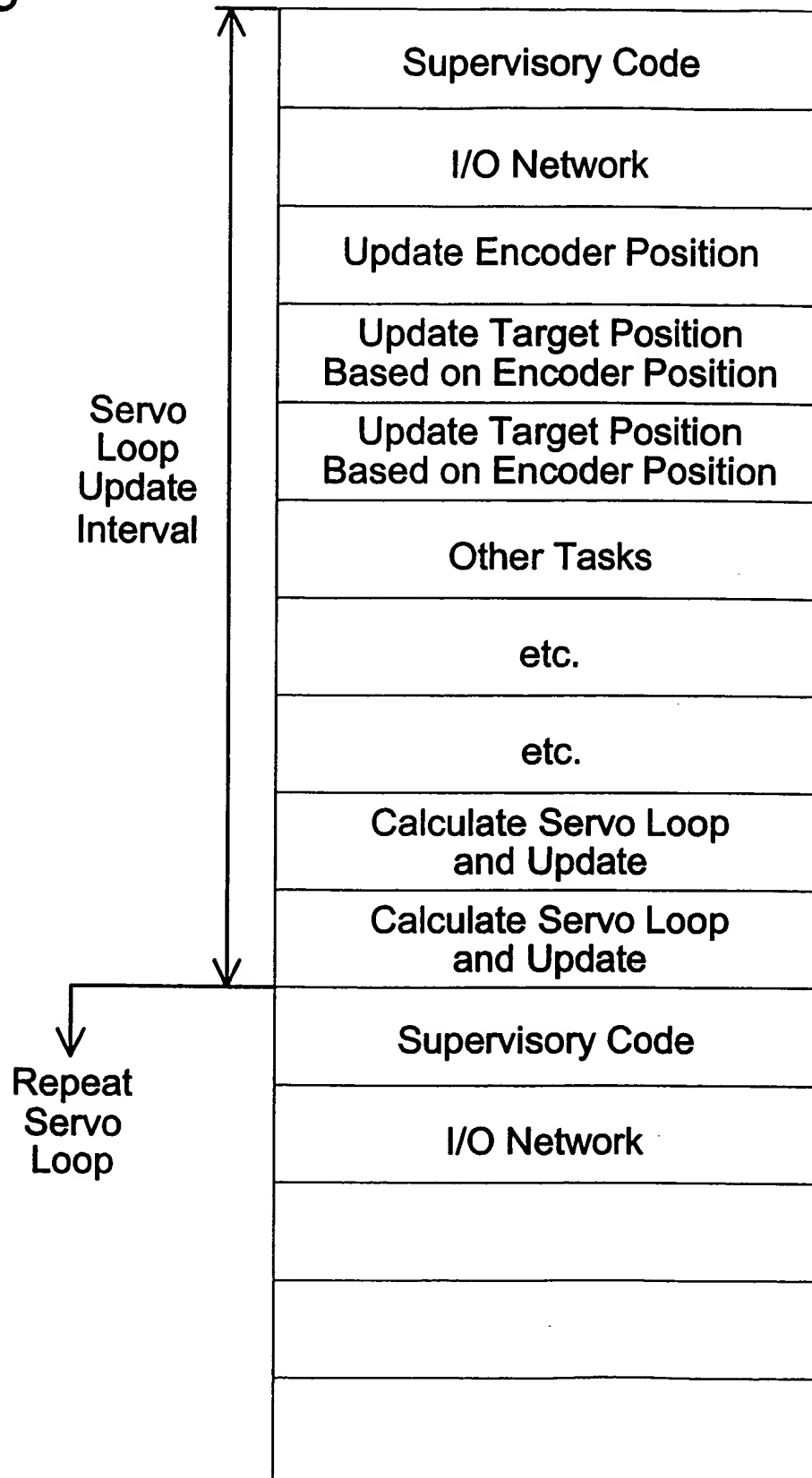
FIG.4e



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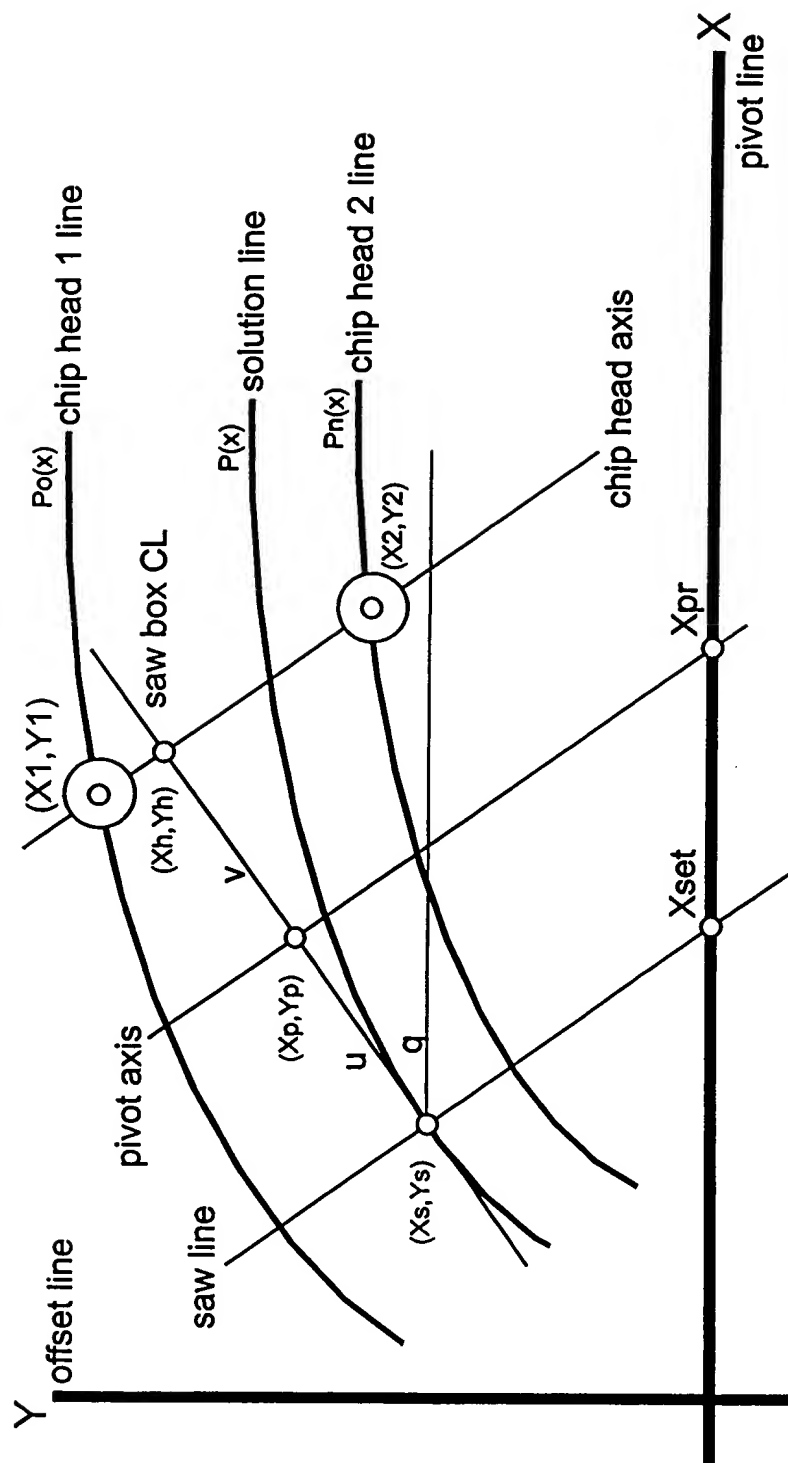
Fig 5a

IMC Motion Control



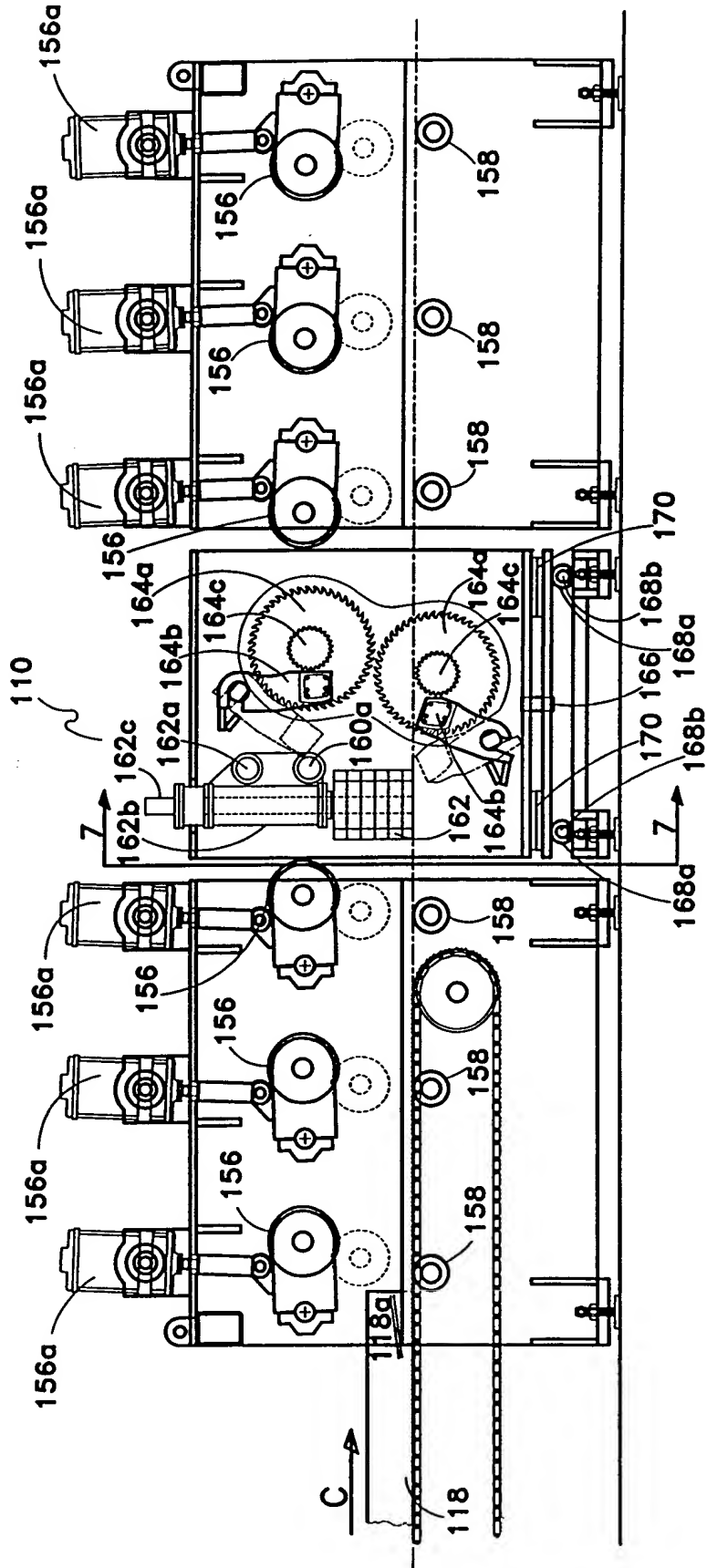
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Fig 5b



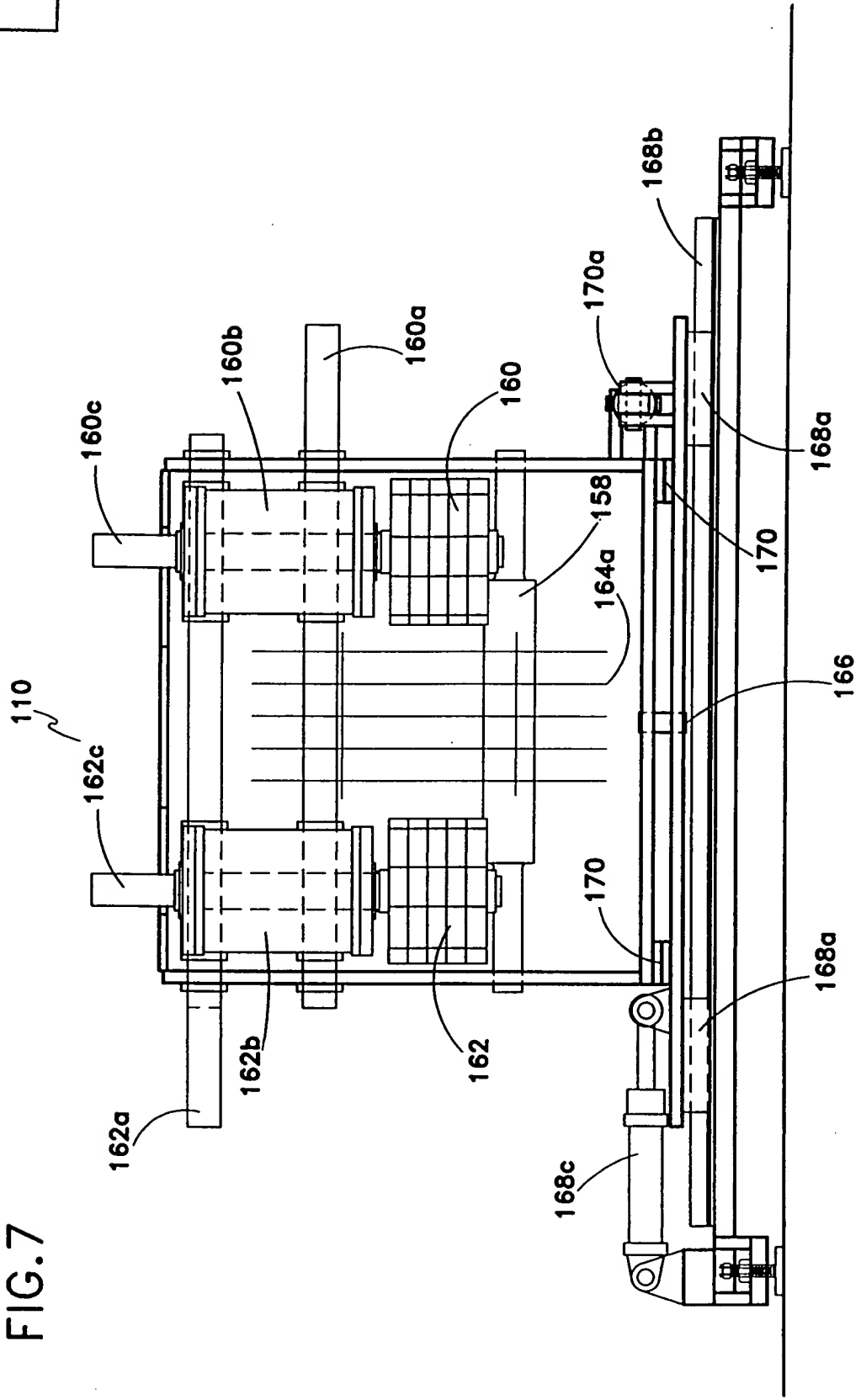
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FIG. 6



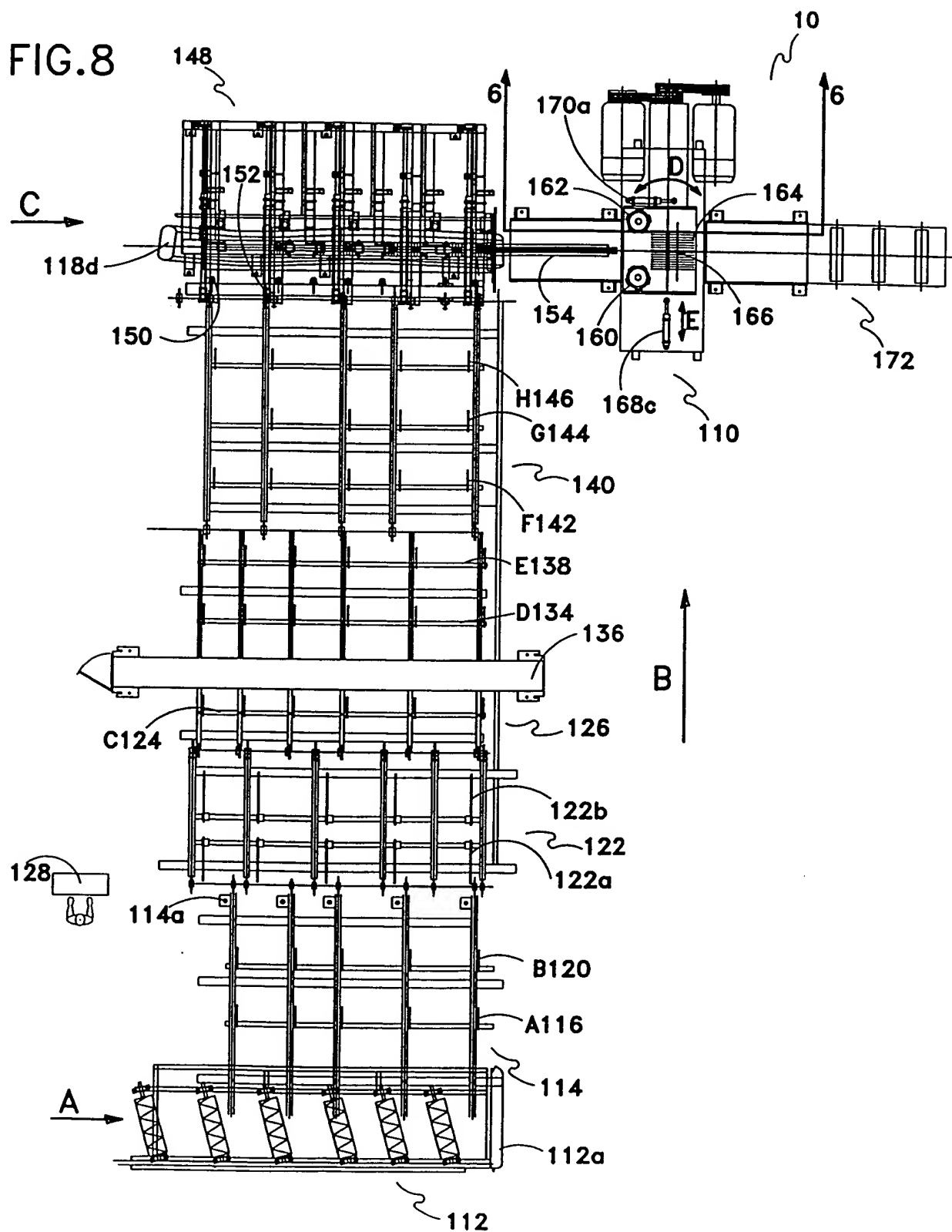
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FIG. 7



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FIG.8



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FIG. 9

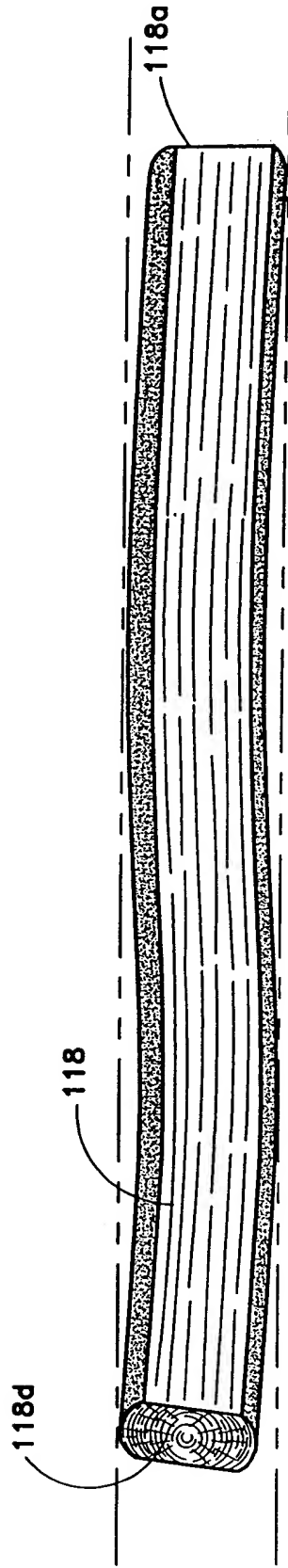
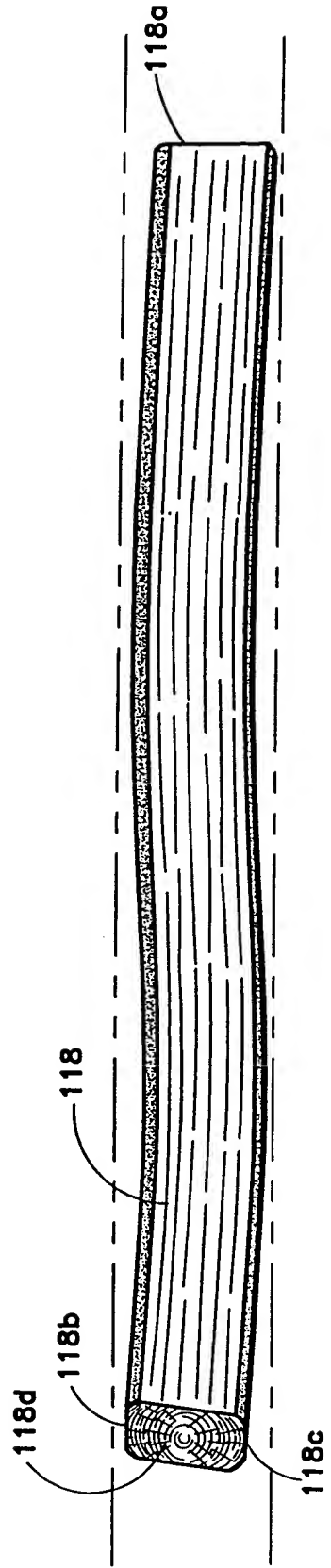
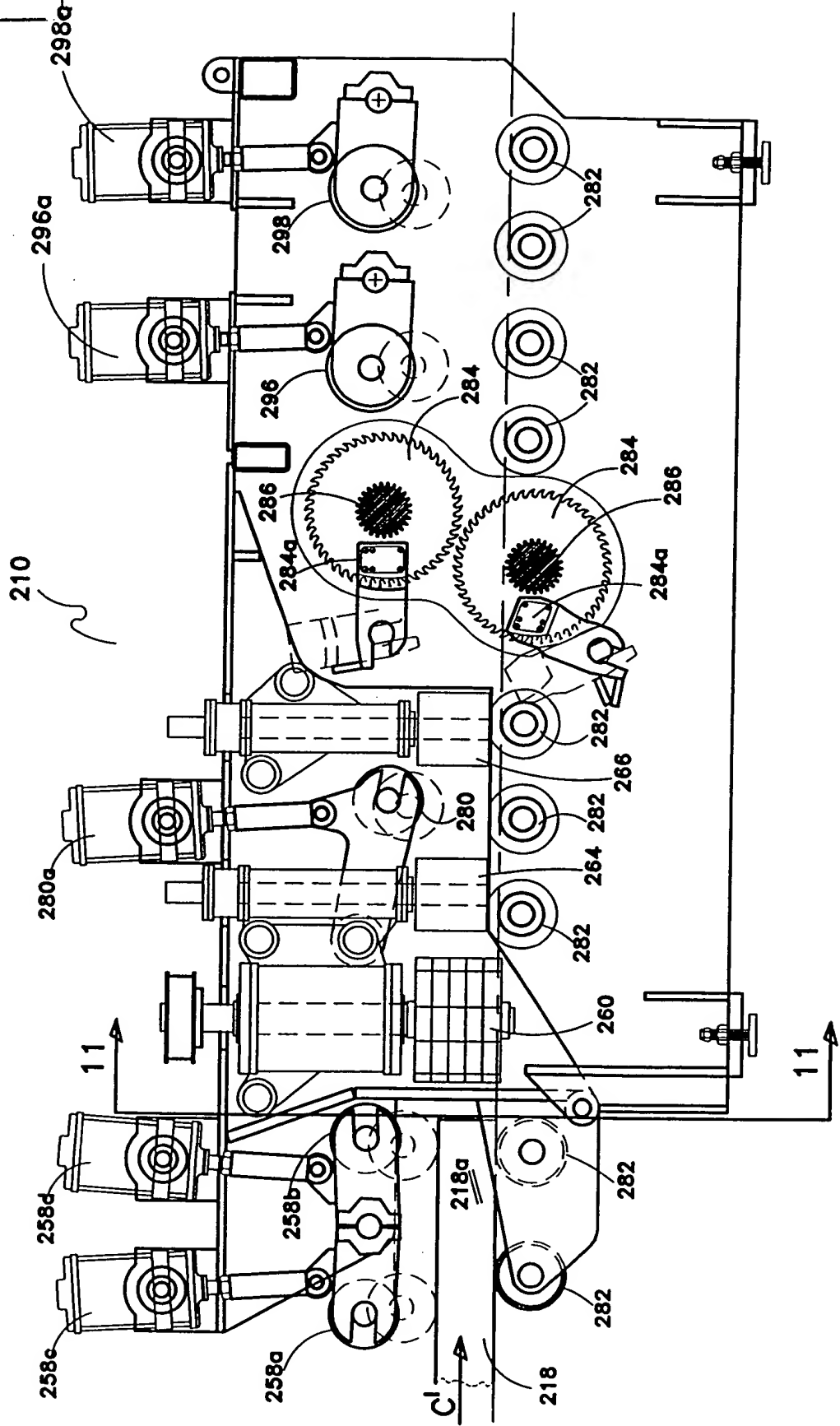


FIG. 9a



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FIG. 10



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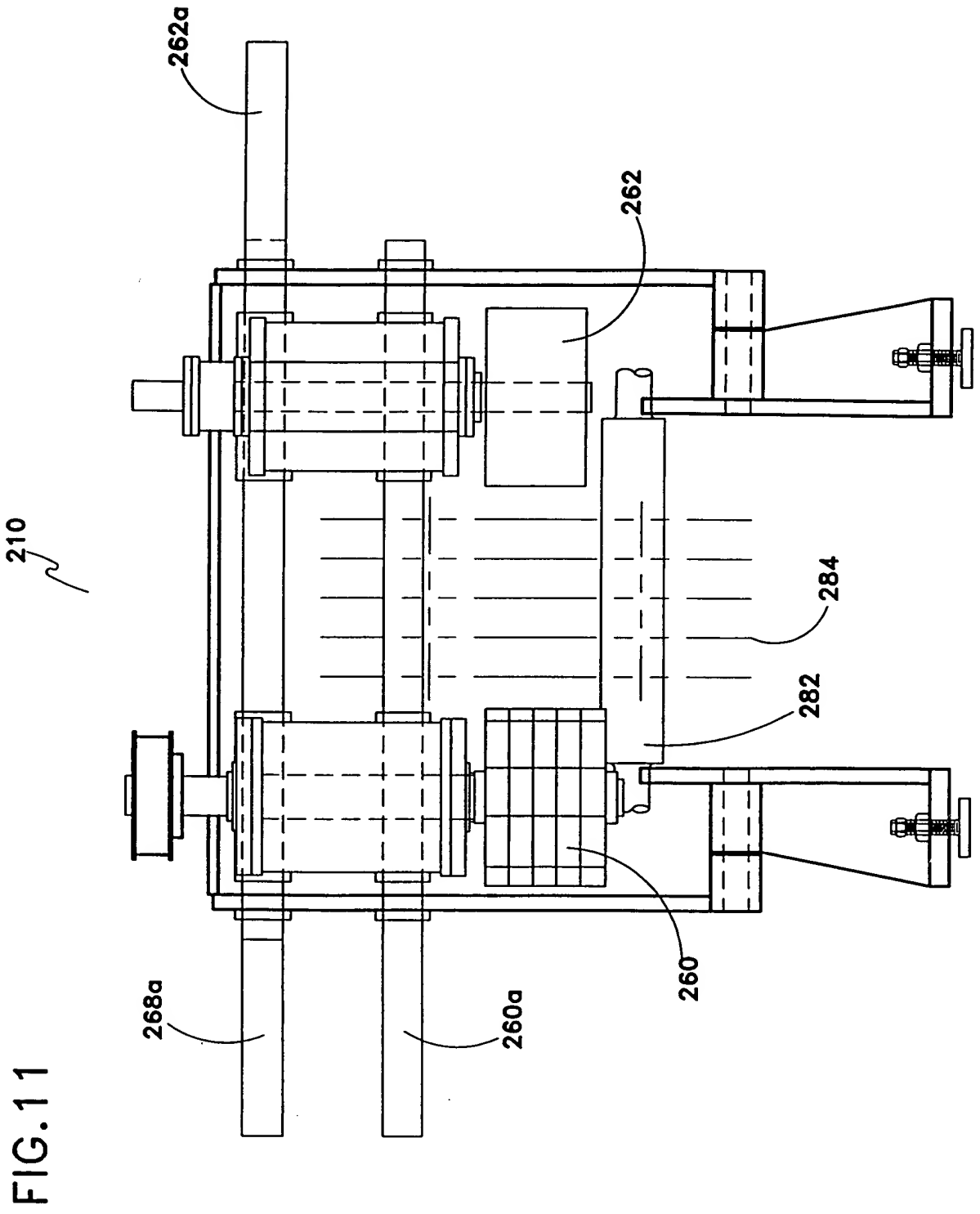


FIG. 12

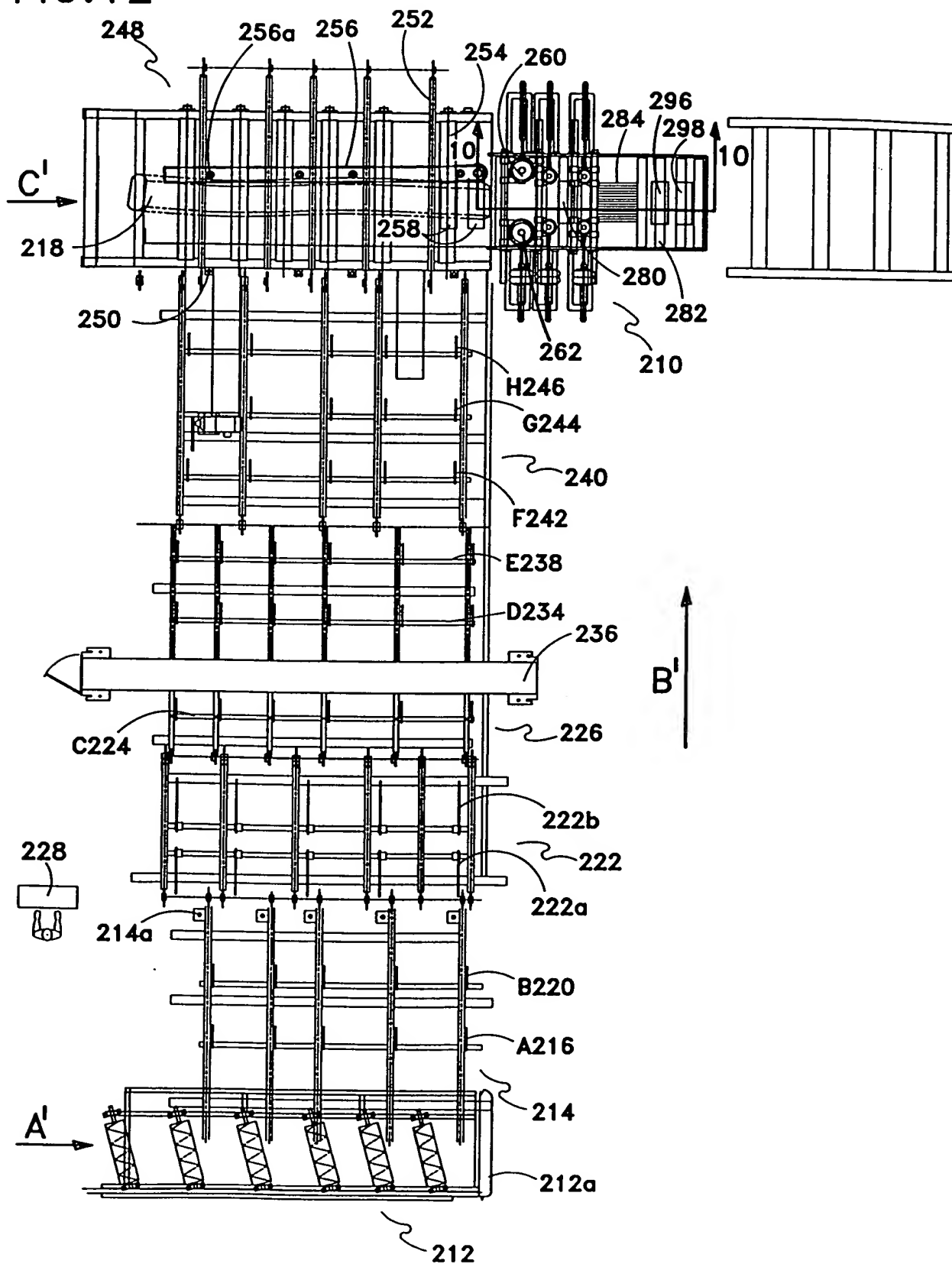
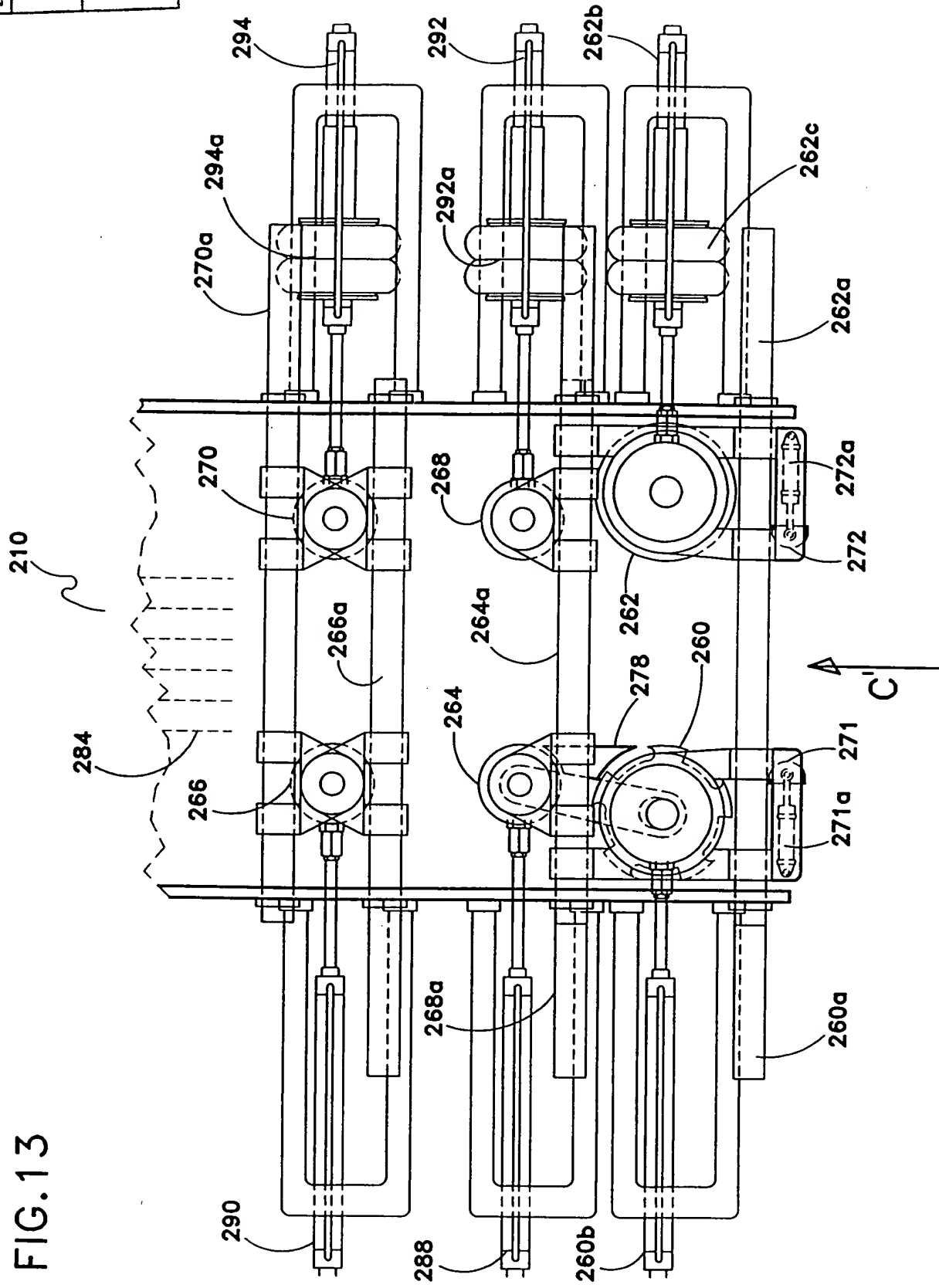


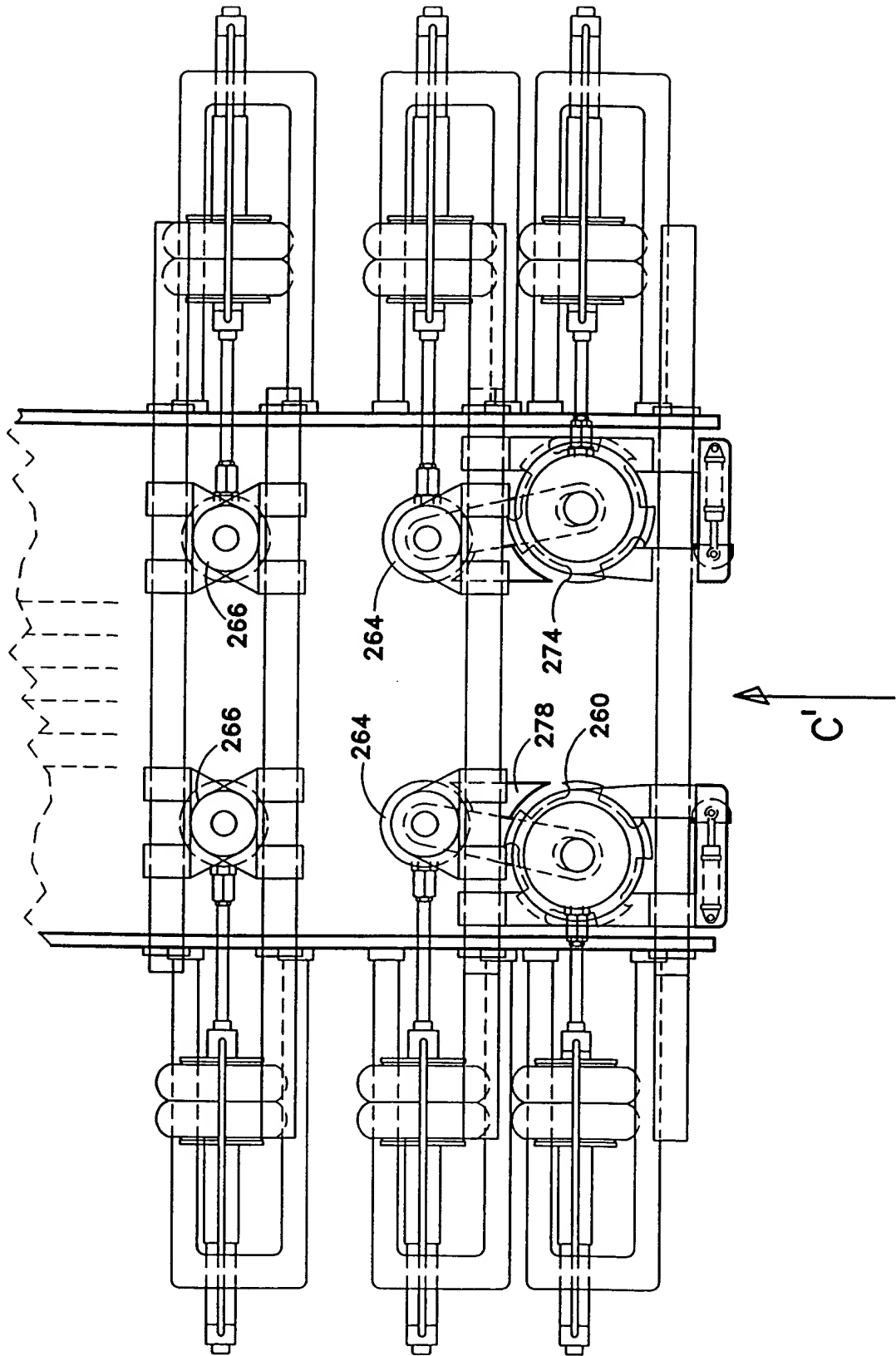
FIG. 13



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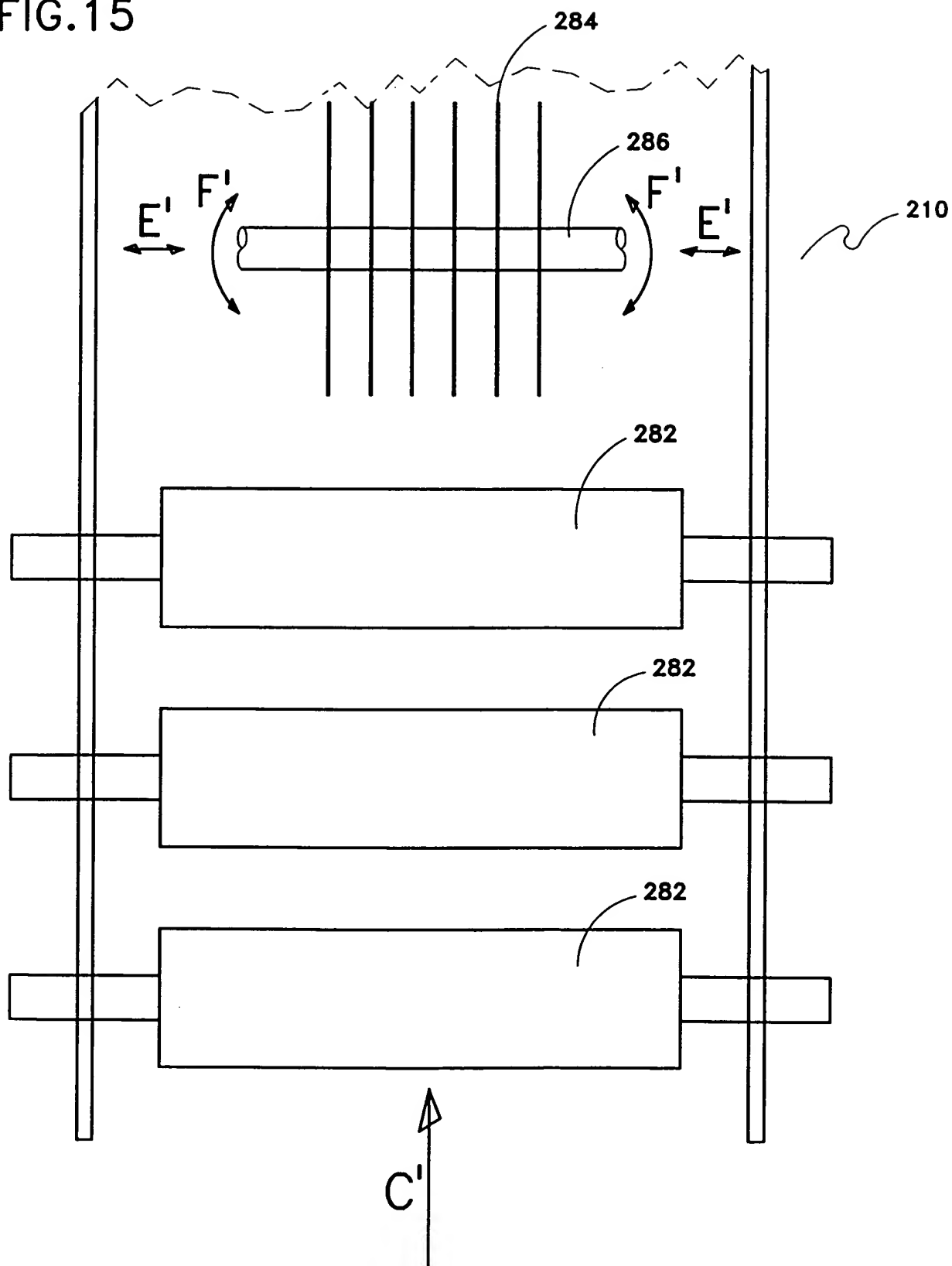
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FIG. 14



APPROVED	O.G. FIG.	
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FIG. 15



APPROVED	O.G. FIG.	
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FIG. 16

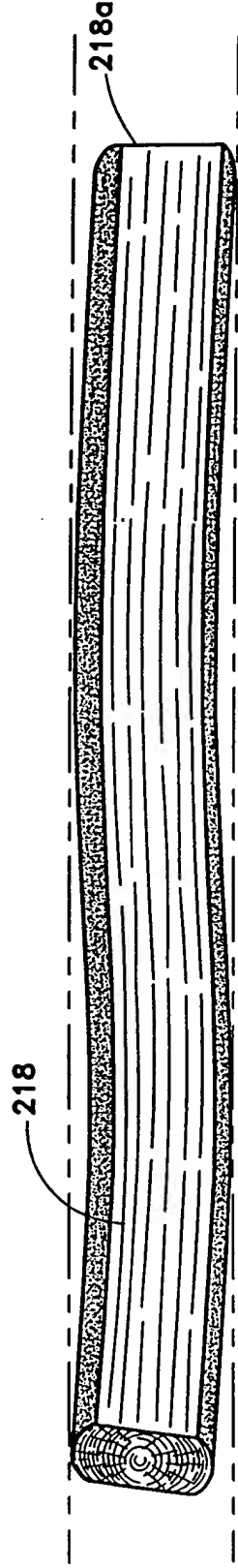


FIG. 16a

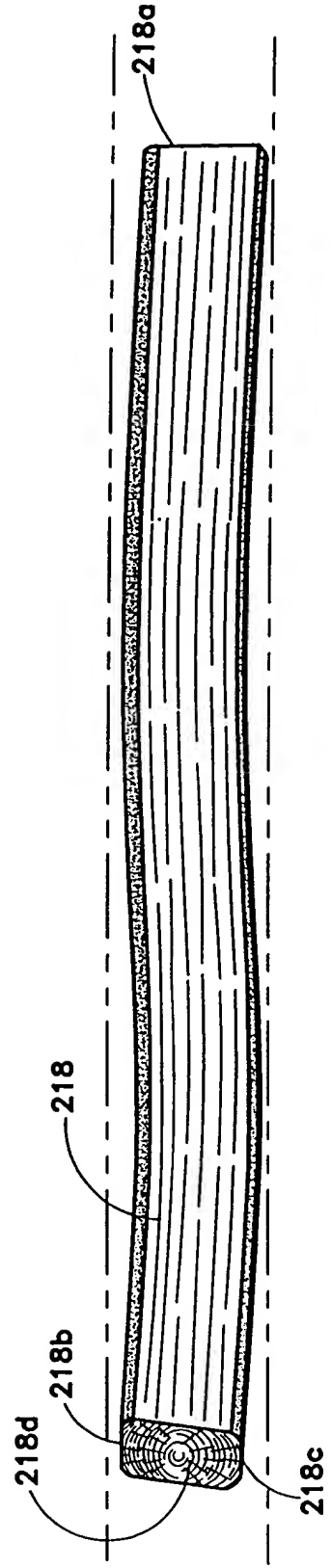
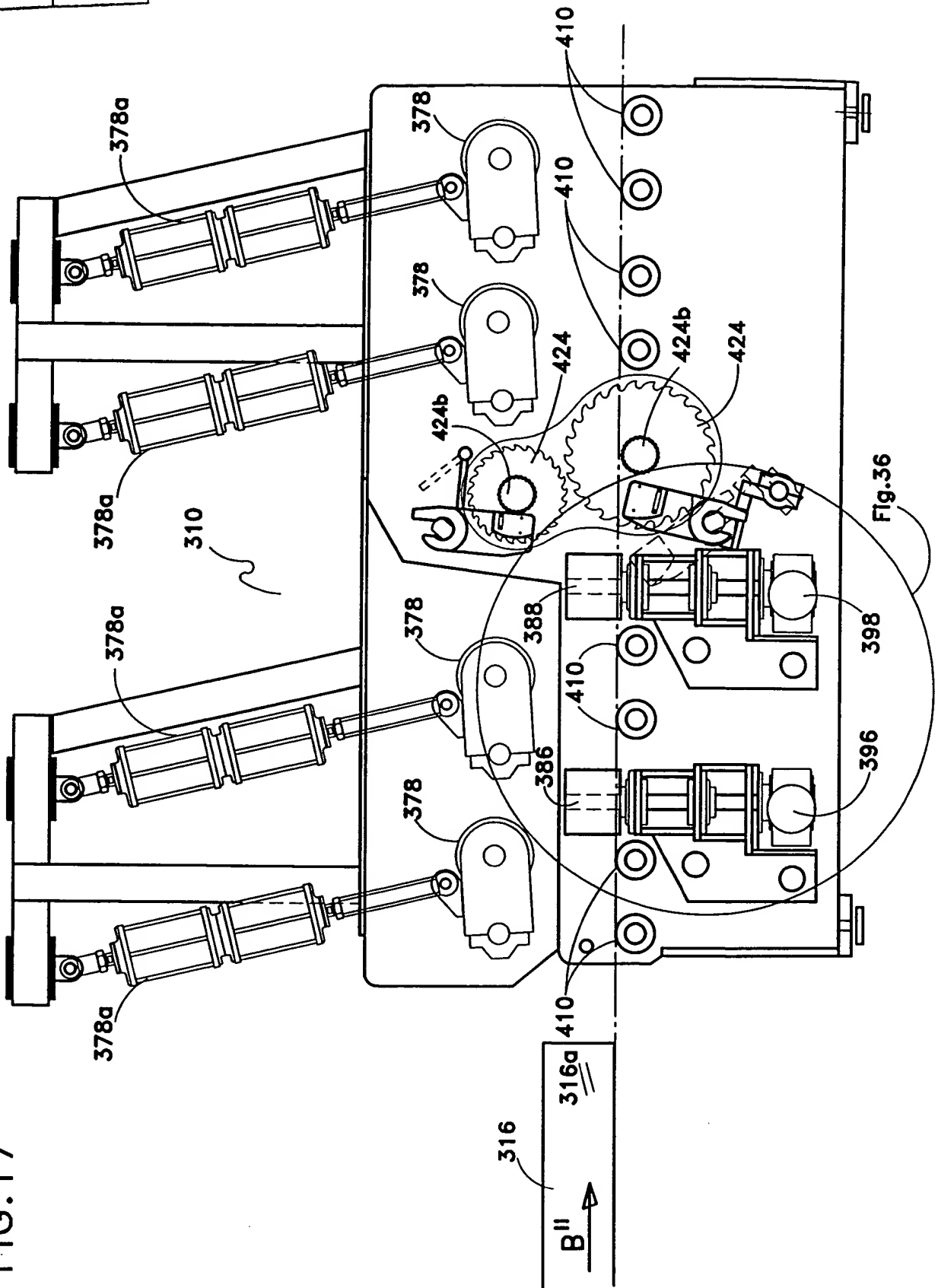
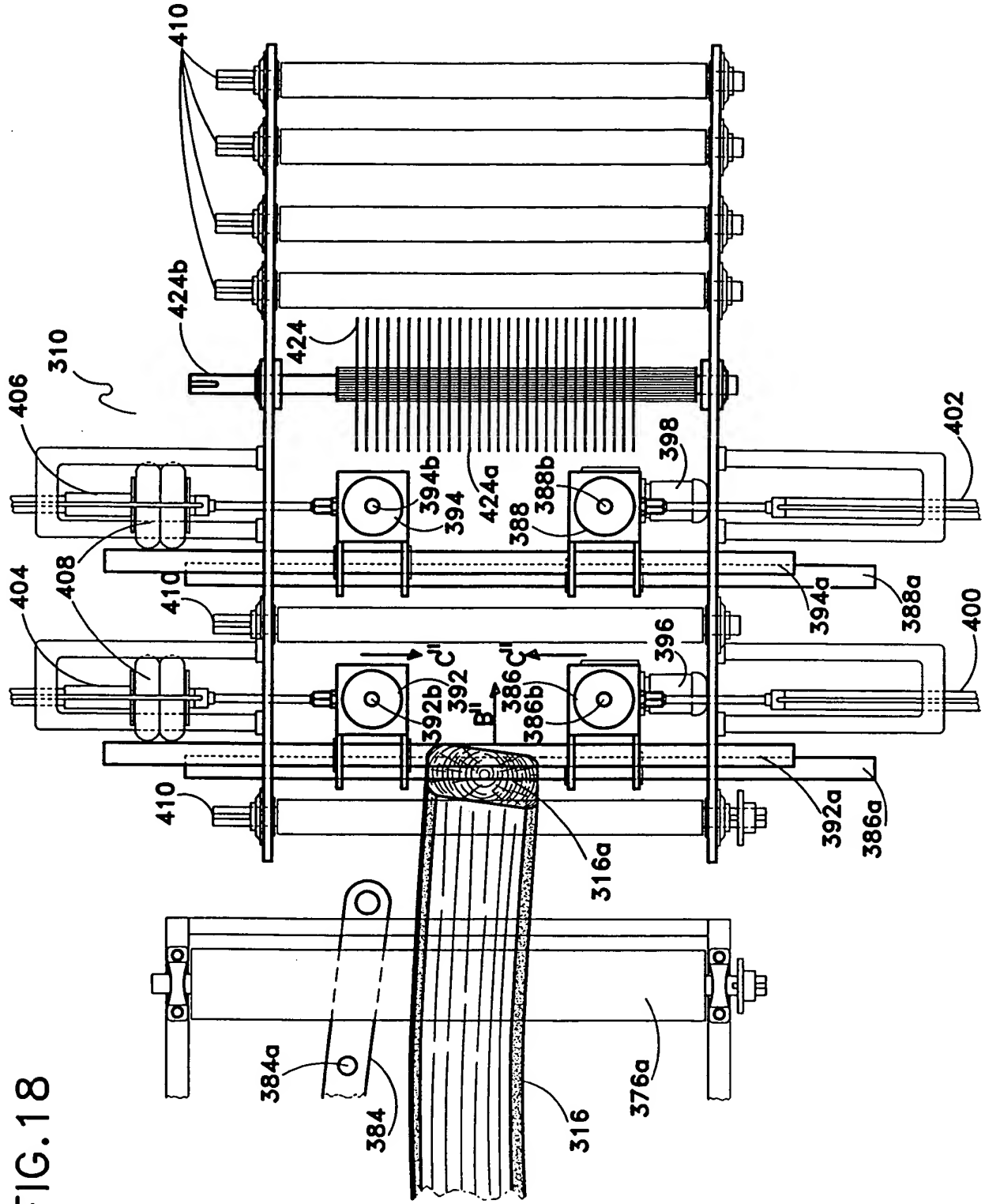


FIG. 17



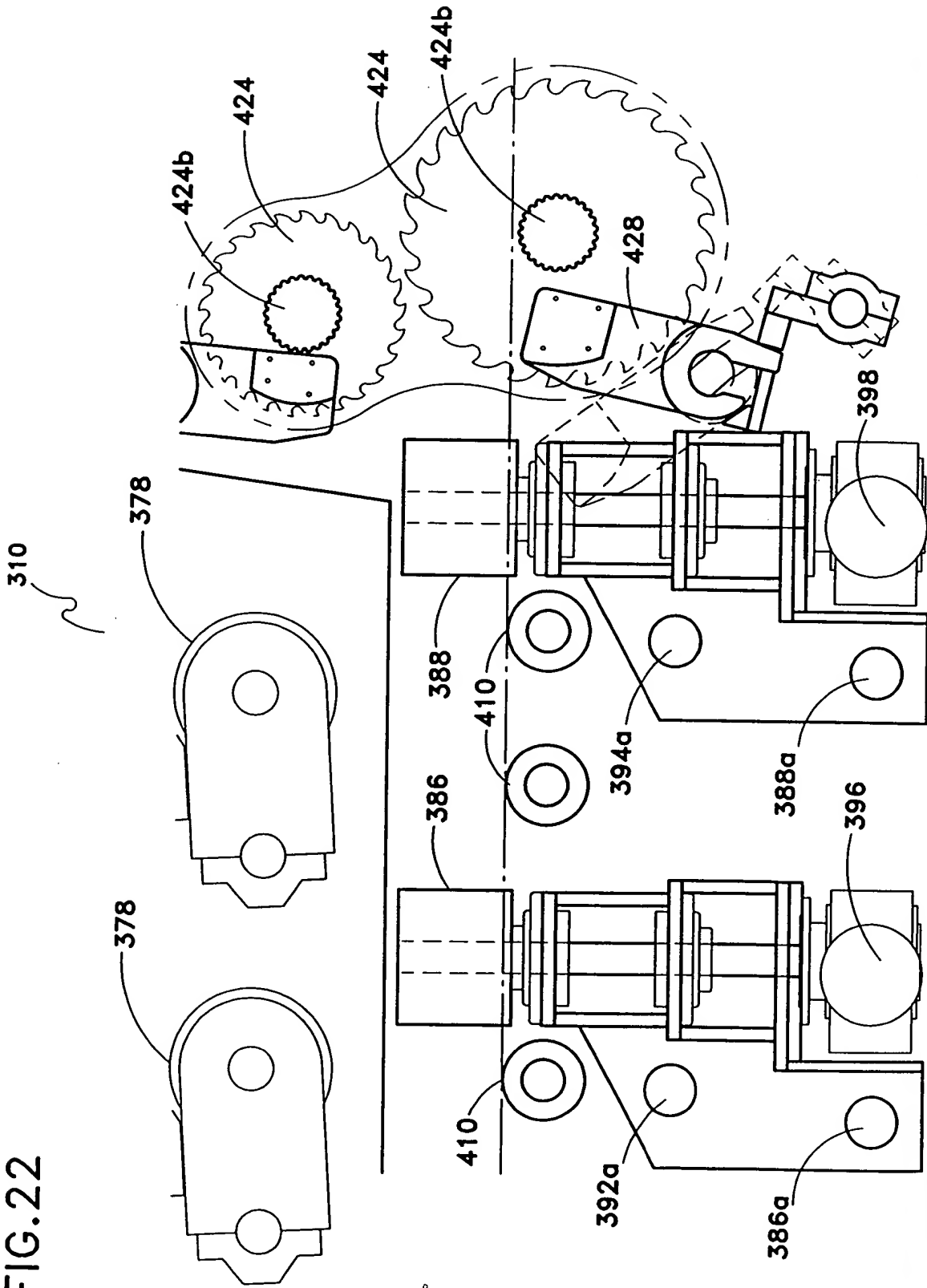
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FIG. 18



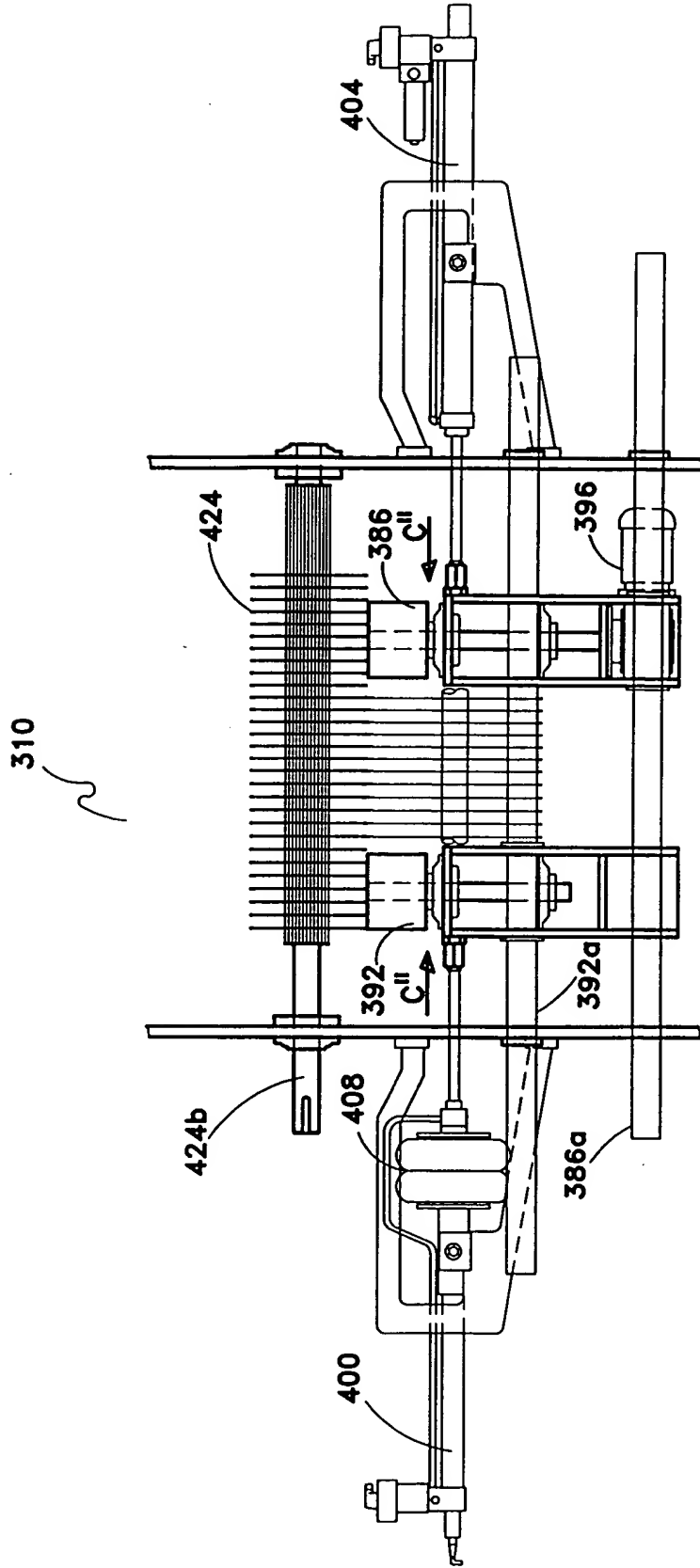
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FIG.22



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FIG. 21



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FIG. 20

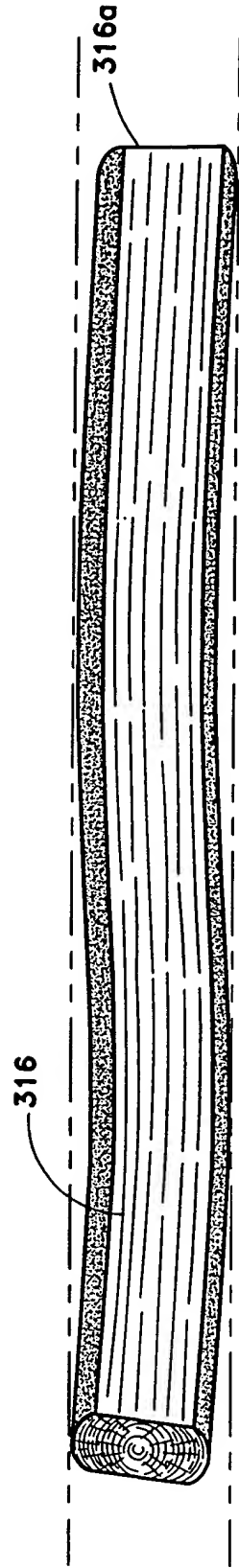
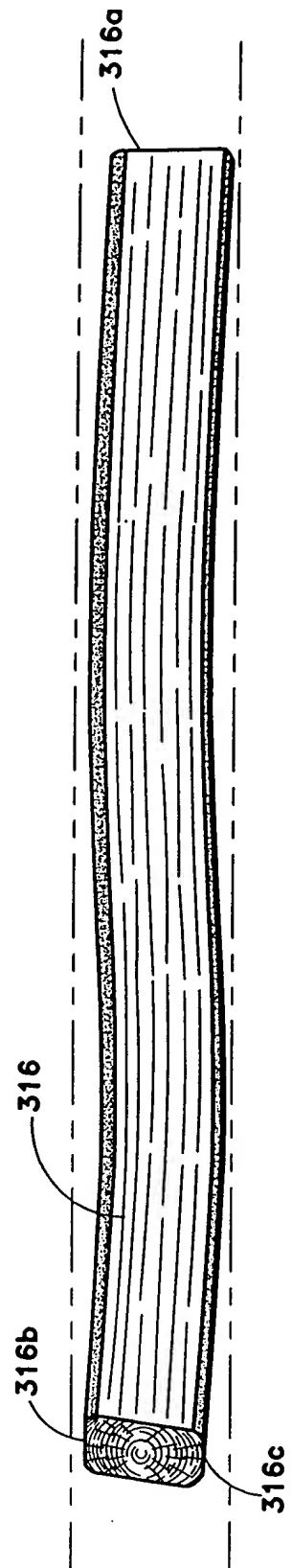


FIG. 20a



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